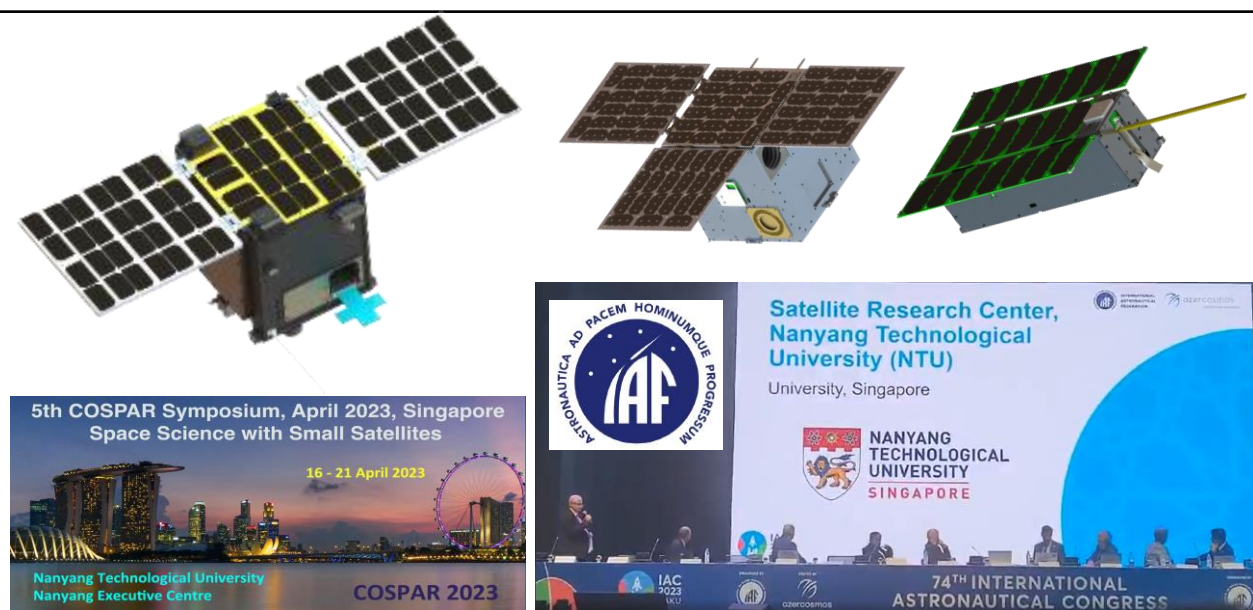


NTU Space Milestones

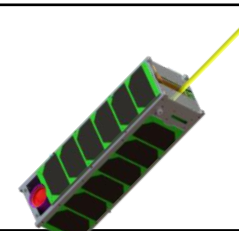
2023



VELOX-AM (25 kg microsatellite) < 30 July 2023, PSLV-C56, ISRO>
ARCADE (25 kg microsatellite)
SCOOB-II (3U nanosatellite)

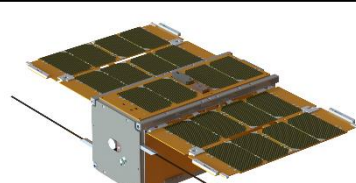
5th **COSPAR** Symposium @NTU <16-22 April 2023 (300 participants)>
Join **IAF** as a Singapore representative <2nd Oct 2023>

2022



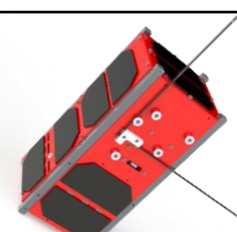
SCOOB-I (3U nanosatellite) <30 June 2022, PSLV-C53, ISRO>
- *Helio physics mission*

2019



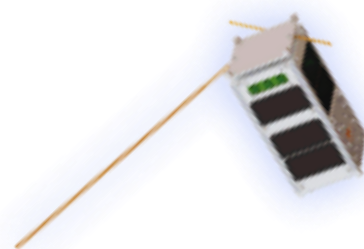
AOBA-VELOX-IV (2U nanosatellite) <18 Jan 2019, Epsilon-4, JAXA>
– *Lunar Horizon Glow, Thruster (with Kyutech)*

2018



SPATIUM (2U nanosatellite) <15 Sep 2018, H-2B, JAXA>, <6 Oct 2018, ISS>
– *1st atomic clock experiment (with Kyutech)*

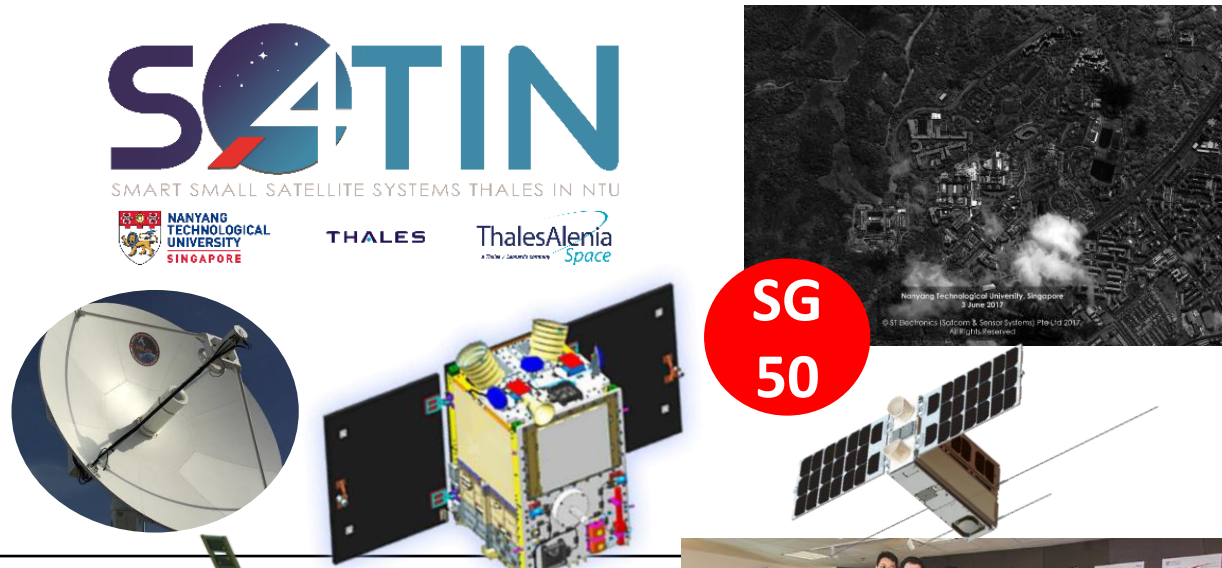
2016



AOBA-VELOX-III (3U nanosatellite) <9 Dec 2016 H-2B, JAXA>
- *1st from International Space Station (ISS) (with Kyutech)*
<16 Jan 2017>
President's Technology Award 2016 (PTA, Team)

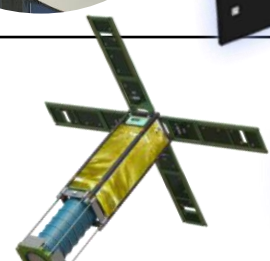


2015



S4TIN – *Smart Small Satellite System Thales in NTU* <11 Feb 2015>
SG50 < 16 Dec 2015, PSLV-C29, ISRO>
- **VELOX-CI** (105kg microsatellite on Radio Occultation)
- **VELOX-II** (6U nanosatellite on AddValue IDRS®)
Mission Control Centre setup with 6.1m S/X band satellite Dish

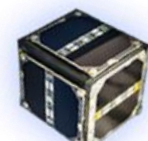
2014



VELOX-I (3U), **VELOX-PIII** <30 June 2014, PSLV-C23, ISRO>
Nanyang Award –Teamwork

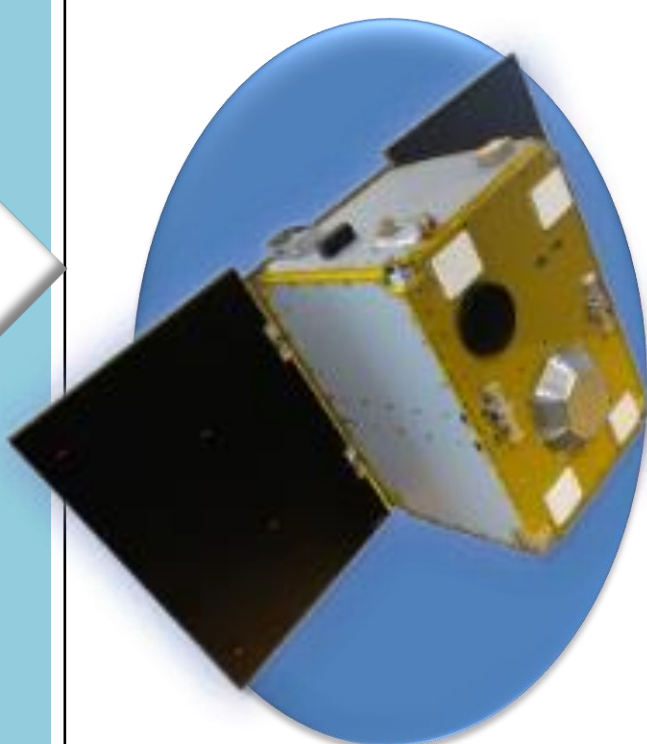


2013



VELOX-PII <21 Nov 2013 DNEPR, Russia>
- *1st Singapore designed 1U nanosatellite*

2011

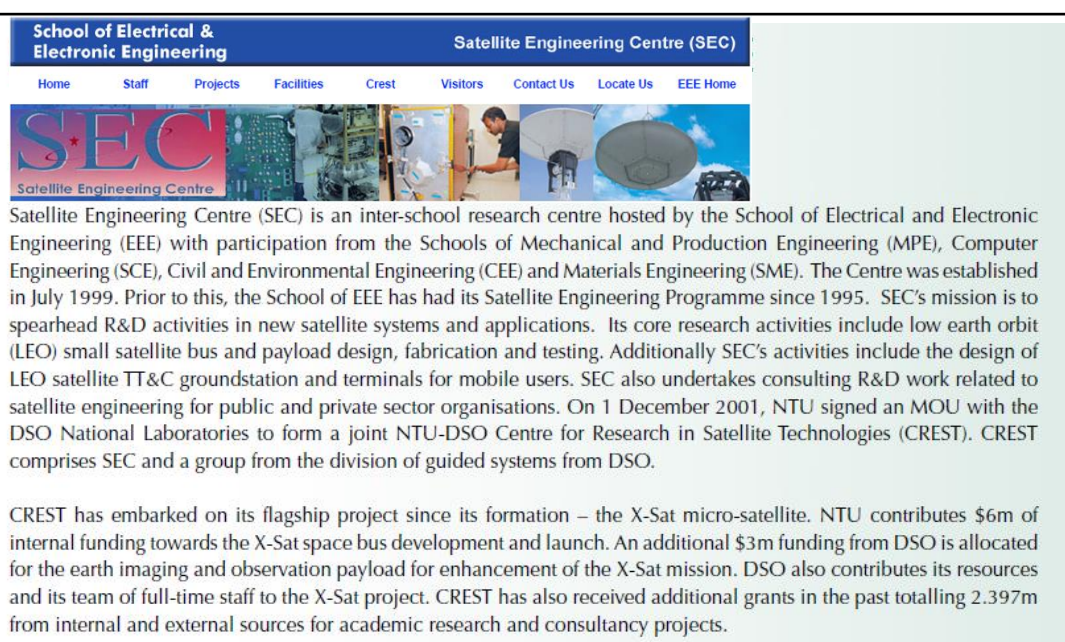


XSAT (105 kg microsatellite) <20 April 2011, PSLV-C16, ISRO>
- *1st Singapore Designed Satellite*
- *Defence Technology Prize Team (R&D Award)*

STE Satellite System (Satsys) is formed <May 2011>
- *ST Engineering (51% Stake)*
- *DSO National Laboratories (33%)*
- *Nanyang Technological University (16%)*



2001



CREST (Centre for Research in Satellite Technologies) <1st Dec 2001>
- *Joint Centre between Satellite Engineering Center(SEC) and DSO National Laboratories*

1999

MERLION (launch in UoSAT-12 minisatellite) <21 April 1999 SS-18 ICBM Kazakhstan>
– *1st Singapore designed Satellite payload (NSTB and NTU fund)*
SEC (Satellite Engineering Centre) <July 1999>

1996



SSTL collaboration (Contract Signed)
1995 - *Satellite Engineering Programme*
1994 – *Professor Cham Tao Soon visited SSTL(Surrey Satellite Technology Ltd)*

